

09/873.757

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

| | |
|--------------------|---|
| Title of Invention | Mixtures of Growth Hormone Drug-Oligomer Conjugates. Comprising Polyalkylene Glycol, Uses Thereof, and Methods of Making Same |
|--------------------|---|

Application Number: 09/873757



Confirmation Number: 2357

First Named Applicant: Nnochiri Ekwuribe

Attorney Docket Number: 9233-62

Art Unit: 1654

Examiner: Jeffrey E. Russel

Search string: (5830918 or 5843886 or 5849860 or 5853748
or 5854208 or 5856451 or 5866538 or 5866584
or 5874111 or 5898028 or 5902588 or 5905140
or 5907030 or 5922675 or 5932462 or 5942248
or 5948751 or 5952008 or 5952297 or 5962267
or 5968549 or 5969040 or 5981709 or 5985263
or 6004574 or 6011008 or 6025325 or 6034054
or 6042822 or 6043214 or 6051551 or 6063761
or 6093391 or 6113906 or 6165976 or 6177087
or 6191105 or 6200602 or 6211144 or 6248363
or 6251856 or 6258377 or 6268335 or 6306440
or 6309633 or 6310038 or 6323311 or 6335316
or 6342225 or 6506730),pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

| init | Cite.No. | Patent No. | Date | Patentee | Kind | Class | Subclass |
|-----------|----------|------------|------------|------------------|------|-------|----------|
| <i>RU</i> | 1 | 5830918 | 1998-11-03 | Sportsman et al. | | 514 | 648 |
| <i>RU</i> | 2 | 5843886 | 1998-12-01 | Weiner et al. | | 514 | 3 |
| <i>RU</i> | 3 | 5849860 | 1998-12-15 | Hakimi et al. | | 528 | 370 |
| <i>RU</i> | 4 | 5853748 | 1998-12-29 | New | | 424 | 439 |
| <i>RU</i> | 5 | 5854208 | 1998-12-29 | Jones et al. | | 514 | 3 |
| <i>RU</i> | 6 | 5856451 | 1999-01-05 | Olsen et al. | | 530 | 402 |
| <i>RU</i> | 7 | 5866538 | 1999-02-02 | Norup et al. | | 514 | 3 |
| <i>RU</i> | 8 | 5866584 | 1999-02-02 | Cincotta et al. | | 514 | 288 |

09/873,757

| | | | |
|----|---------|------------|--------------------|
| 9 | 5874111 | 1999-02-23 | Maitra et al. |
| 10 | 5898028 | 1999-04-27 | Jensen et al. |
| 11 | 5902588 | 1999-05-11 | Greenwald et al. |
| 12 | 5905140 | 1999-05-18 | Hansen |
| 13 | 5907030 | 1999-05-25 | Shen et al. |
| 14 | 5922675 | 1999-07-13 | Baker et al. |
| 15 | 5932462 | 1999-08-03 | Harris et al. |
| 16 | 5942248 | 1999-08-24 | Barnwell |
| 17 | 5948751 | 1999-09-07 | Kimer et al. |
| 18 | 5952008 | 1999-09-14 | Backstrom et al. |
| 19 | 5952297 | 1999-09-14 | De Felippis et al. |
| 20 | 5962267 | 1999-10-05 | Shin et al. |
| 21 | 5968549 | 1999-10-19 | New et al. |
| 22 | 5969040 | 1999-10-19 | Hallahan et al. |
| 23 | 5981709 | 1999-10-09 | Greenwald et al. |
| 24 | 5985263 | 1999-11-16 | Lee et al. |
| 25 | 6004574 | 1999-12-21 | Backstrom et al. |
| 26 | 6011008 | 2000-01-04 | Domb et al. |
| 27 | 6025325 | 2000-02-15 | Campfield et al. |
| 28 | 6034054 | 2000-03-07 | DeFelippis et al. |
| 29 | 6042822 | 2000-03-28 | Gilbert et al. |
| 30 | 6043214 | 2000-03-28 | Jensen et al. |
| 31 | 6051551 | 2000-04-18 | Hughes et al. |
| 32 | 6063761 | 2000-05-16 | Jones et al. |
| 33 | 6093391 | 2000-07-25 | Kabanov et al. |
| 34 | 6113906 | 2000-09-05 | Greenwald et al. |
| 35 | 6165976 | 2000-12-26 | Backstrom et al. |
| 36 | 6177087 | 2001-01-23 | Greenwald et al. |
| 37 | 6191105 | 2001-02-20 | Ekwuribe et al. |
| 38 | 6200602 | 2001-03-13 | Watts et al. |
| 39 | 6211144 | 2001-04-03 | Havelund |
| 40 | 6248363 | 2001-06-19 | Patel et al. |
| 41 | 6251856 | 2001-06-26 | Markussen et al. |
| 42 | 6258377 | 2001-07-10 | New et al. |
| 43 | 6268335 | 2001-07-31 | Brader |
| 44 | 6306440 | 2001-10-23 | Backstrom et al. |

| | |
|-----|-------|
| 424 | 499 |
| 514 | 4 |
| 424 | 278.1 |
| 530 | 303 |
| 530 | 331 |
| 514 | 4 |
| 435 | 188 |
| 424 | 457 |
| 514 | 4 |
| 424 | 499 |
| 514 | 3 |
| 435 | 69.4 |
| 424 | 450 |
| 525 | 54.1 |
| 530 | 351 |
| 424 | 85.2 |
| 424 | 434 |
| 514 | 8 |
| 514 | 2 |
| 514 | 4 |
| 424 | 85.7 |
| 514 | 3 |
| 514 | 3 |
| 514 | 3 |
| 424 | 85.1 |
| 424 | 194.1 |
| 514 | 3 |
| 424 | 278.1 |
| 514 | 3 |
| 424 | 463 |
| 514 | 4 |
| 424 | 497 |
| 514 | 3 |
| 424 | 450 |
| 514 | 3 |
| 424 | 499 |

09/873,757

| | | | | | |
|----|---------|------------|-----------------|-----|-------|
| 45 | 6309633 | 2001-10-30 | Ekwuribe et al. | 424 | 85.1 |
| 46 | 6310038 | 2001-10-30 | Havelund | 514 | 4 |
| 47 | 6323311 | 2001-11-27 | Liu et al. | 530 | 303 |
| 48 | 6335316 | 2002-01-01 | Hughes et al. | 514 | 3 |
| 49 | 6342225 | 2002-01-29 | Jones et al. | 424 | 193.1 |
| 50 | 6506730 | 2003-01-14 | Lee et al. | 514 | 12 |

Remarks

Note: Remarks are not for responding to an office action.

This electronic Information Disclosure Statement (IDS) is submitted in connection with a paper IDS filed January 13, 2004, along with a Request for Continued Examination (RCE) in application number 09/873,757. A fee of \$770.00 has been paid for submission of the RCE and thus no fee is due for the electronic filing of this IDS.

Signature

| Examiner Name | Date |
|------------------|----------------|
| Jeffrey E. Nusse | March 23, 2004 |



09/873,757

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

| | |
|--------------------|--|
| Title of Invention | Mixtures of Growth Hormone Drug-Oligomer Conjugates Comprising Polyalkylene Glycol, Uses Thereof, and Methods of Making Same |
|--------------------|--|

Application Number: 09/873757



Confirmation Number: 2357

First Named Applicant: Nnochiri Ekwuribe

Attorney Docket Number: 9233-62

Art Unit: 1654

Examiner: Jeffrey E. Russel

Search string: (5206219 or 5283236 or 5286637 or 5292802
or 5298410 or 5304473 or 5308889 or 5312808
or 5320840 or 5324775 or 5328955 or 5405621
or 5413791 or 5415872 or 5428128 or 5438040
or 5444041 or 5446091 or 5457066 or 5461031
or 5468478 or 5504188 or 5506203 or 5518998
or 5523348 or 5529915 or 5545618 or 5550188
or 5606038 or 5612460 or 5631347 or 5637749
or 5643575 or 5646242 or 5650388 or 5658878
or 5681567 or 5693609 or 5693769 or 5700904
or 5707648 or 5714639 or 5738846 or 5747445
or 5747642 or 5750497 or 5763396 or 5766620
or 5824638 or 5830853).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

| init | Cite.No. | Patent No. | Date | Patentee | Kind | Class | Subclass |
|------|----------|------------|------------|-----------------|------|-------|----------|
| 1 | 1 | 5206219 | 1993-04-27 | Desai | | 514 | 3 |
| 2 | 2 | 5283236 | 1994-02-01 | Chiou | | 514 | 2 |
| 3 | 3 | 5286637 | 1994-02-15 | Veronese et al. | | 435 | 183 |
| 4 | 4 | 5292802 | 1994-03-08 | Rhee et al. | | 525 | 54.1 |
| 5 | 5 | 5298410 | 1994-03-29 | Phillips et al. | | 435 | 188 |
| 6 | 6 | 5304473 | 1994-04-19 | Belagaje et al. | | 435 | 69.7 |
| 7 | 7 | 5308889 | 1994-05-03 | Rhee et al. | | 523 | 113 |
| 8 | 8 | 5312808 | 1994-05-17 | Shorr et al. | | 514 | 6 |

APP_ID=09873757

Jeffrey E. Russel

March 23, 2004

Page 1 of 3

09/873,757

| | | | | | |
|----|---------|------------|----------------------|-----|-------|
| 9 | 5320840 | 1994-06-14 | Camble et al. | 424 | 85.1 |
| 10 | 5324775 | 1994-06-28 | Rhee et al. | 525 | 54.2 |
| 11 | 5328955 | 1994-07-12 | Rhee et al. | 525 | 54.1 |
| 12 | 5405621 | 1995-04-11 | Sipos | 424 | 490 |
| 13 | 5413791 | 1995-05-09 | Rhee et al. | 424 | 422 |
| 14 | 5415872 | 1995-05-16 | Sipos | 424 | 490 |
| 15 | 5428128 | 1995-06-27 | Mensi-Fattohi et al. | 530 | 302 |
| 16 | 5438040 | 1995-08-01 | Ekwuribe | 514 | 3 |
| 17 | 5444041 | 1995-08-22 | Owen et al. | 514 | 2 |
| 18 | 5446091 | 1995-08-29 | Rhee et al. | 525 | 54.1 |
| 19 | 5457066 | 1995-10-10 | Frank et al. | 435 | 68.1 |
| 20 | 5461031 | 1995-10-24 | De Felippis | 514 | 4 |
| 21 | 5468478 | 1995-11-21 | Saifer et al. | 424 | 78.27 |
| 22 | 5504188 | 1996-04-02 | Baker et al. | 530 | 304 |
| 23 | 5506203 | 1996-04-09 | Backstrom et al. | 514 | 4 |
| 24 | 5518998 | 1996-05-21 | Backstrom et al. | 514 | 3 |
| 25 | 5523348 | 1996-06-04 | Rhee et al. | 525 | 54.1 |
| 26 | 5529915 | 1996-06-25 | Phillips et al. | 435 | 188 |
| 27 | 5545618 | 1996-08-13 | Buckley et al. | 514 | 12 |
| 28 | 5550188 | 1996-08-27 | Rhee et al. | 525 | 54.1 |
| 29 | 5606038 | 1997-02-25 | Regen | 536 | 6.5 |
| 30 | 5612460 | 1997-03-18 | Zalipsky | 530 | 391.9 |
| 31 | 5631347 | 1997-05-20 | Baker et al. | 530 | 303 |
| 32 | 5637749 | 1997-06-10 | Greenwald | 558 | 6 |
| 33 | 5643575 | 1997-07-01 | Martinez et al. | 424 | 194.1 |
| 34 | 5646242 | 1997-07-08 | Baker et al. | 530 | 303 |
| 35 | 5650388 | 1997-07-22 | Shorr et al. | 514 | 6 |
| 36 | 5658878 | 1997-08-19 | Backstrom et al. | 514 | 3 |
| 37 | 5681567 | 1997-10-28 | Martinez et al. | 424 | 178.1 |
| 38 | 5693609 | 1997-12-02 | Baker et al. | 514 | 3 |
| 39 | 5693769 | 1997-12-02 | Kahne et al. | 536 | 5 |
| 40 | 5700904 | 1997-12-23 | Baker et al. | 530 | 305 |
| 41 | 5707648 | 1998-01-13 | Yiv | 424 | 450 |
| 42 | 5714639 | 1998-02-03 | Bowman et al. | 568 | 620 |
| 43 | 5738846 | 1998-04-14 | Greenwald et al. | 424 | 85.7 |
| 44 | 5747445 | 1998-05-05 | Backstrom et al. | 514 | 4 |

09/873,757

| | | | | | |
|----|---------|------------|------------------|-----|-----|
| 45 | 5747642 | 1998-05-05 | De Felippis | 530 | 304 |
| 46 | 5750497 | 1998-05-12 | Havelund et al. | 514 | 3 |
| 47 | 5763396 | 1998-06-09 | Weiner et al. | 514 | 3 |
| 48 | 5766620 | 1998-06-16 | Heiber et al. | 424 | 436 |
| 49 | 5824638 | 1998-10-20 | Burnside et al. | 514 | 3 |
| 50 | 5830853 | 1998-11-03 | Backstrom et al. | 514 | 4 |

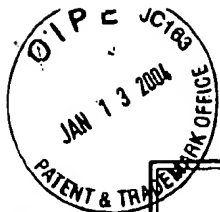
Remarks

Note: Remarks are not for responding to an office action.

This electronic Information Disclosure Statement (IDS) is submitted in connection with a paper IDS filed January 13, 2004, along with a Request for Continued Examination (RCE) in application number 09/873,757. A fee of \$770.00 has been paid for submission of the RCE and thus no fee is due for the electronic filing of this IDS.

Signature










| Examiner Name | Date |
|-------------------|----------------|
| Jeffrey E. Russel | March 23, 2004 |



09/873.757

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

| | | | | | | | |
|---|--|------------|------------|----------------|------|-------|----------|
| Title of Invention | Mixtures of Growth Hormone Drug-Oligomer Conjugates Comprising Polyalkylene Glycol, Uses Thereof, and Methods of Making Same | | | | | | |
| Application Number: 09/873757  | | | | | | | |
| Confirmation Number: 2357 | | | | | | | |
| First Named Applicant: Nnochiri Ekwuribe | | | | | | | |
| Attorney Docket Number: 9233-62 | | | | | | | |
| Art Unit: 1654 | | | | | | | |
| Examiner: Jeffrey E. Russel | | | | | | | |
| Search string: (3256153 or 3868356 or 3919411 or 3950517 or 4003792 or 4044196 or 4087390 or 4093574 or 4100117 or 4223163 or 4229438 or 4253998 or 4277394 or 4338306 or 4348387 or 4410547 or 4469681 or 4472382 or 4554101 or 4579730 or 4585754 or 4622392 or 4684524 or 4698264 or 4717566 or 4744976 or 4772471 or 4797288 or 4801575 or 4839341 or 4840799 or 4849405 or 4917888 or 4935246 or 4946828 or 4957910 or 4963367 or 4963526 or 4994439 or 5013556 or 5055300 or 5055304 or 5089261 or 5093198 or 5099074 or 5122614 or 5157021 or 5162430 or 5164366 or 5202415).pn. | | | | | | | |
| US Patent Documents | | | | | | | |
| Note: Applicant is not required to submit a paper copy of cited US Patent Documents | | | | | | | |
| init | Cite.No. | Patent No. | Date | Patentee | Kind | Class | Subclass |
|  | 1 | 3256153 | 1966-06-14 | Heimlich | | 167 | 82 |
|  | 2 | 3868356 | 1975-02-25 | Smyth | | 260 | 112.7 |
|  | 3 | 3919411 | 1975-11-11 | Glass et al. | | 424 | 81 |
|  | 4 | 3950517 | 1976-04-13 | Lindsay et al. | | 424 | 178 |
|  | 5 | 4003792 | 1977-01-18 | Mill et al. | | 195 | 63 |
|  | 6 | 4044196 | 1977-08-23 | Huper et al. | | 526 | 271 |
|  | 7 | 4087390 | 1978-05-02 | Shields | | 260 | 8 |
|  | 8 | 4093574 | 1978-06-06 | Shields | | 260 | 8 |

APP_ID=09873757

Jeffrey E. Russel

March 23, 2004

Page 1 of 3

09/873.757

| | | | | | |
|----|---------|------------|---------------------|-----|--------|
| 9 | 4100117 | 1978-07-11 | Shields | 260 | 8 |
| 10 | 4223163 | 1980-09-16 | Guillot | 568 | 618 |
| 11 | 4229438 | 1980-10-21 | Fujino et al. | 424 | 177 |
| 12 | 4253998 | 1981-03-03 | Sarantakis | 260 | 8 |
| 13 | 4277394 | 1981-07-07 | Fujino et al. | 260 | 112.5R |
| 14 | 4338306 | 1982-07-06 | Kitao et al. | 424 | 178 |
| 15 | 4348387 | 1982-09-07 | Brownlee et al. | 424 | 178 |
| 16 | 4410547 | 1983-10-18 | Ueno et al. | 424 | 317 |
| 17 | 4469681 | 1984-09-04 | Brownlee et al. | 424 | 178 |
| 18 | 4472382 | 1984-09-18 | Labrie et al. | 424 | 177 |
| 19 | 4554101 | 1985-11-19 | Hopp | 260 | 112.5R |
| 20 | 4579730 | 1986-04-01 | Kidron et al. | 424 | 19 |
| 21 | 4585754 | 1986-04-29 | Meisner et al. | 514 | 8 |
| 22 | 4622392 | 1986-11-11 | Hong et al. | 536 | 29 |
| 23 | 4684524 | 1987-08-04 | Eckenhoff et al. | 424 | 469 |
| 24 | 4698264 | 1987-10-06 | Steinke | 428 | 402.2 |
| 25 | 4717566 | 1988-01-05 | Eckenhoff et al. | 424 | 438 |
| 26 | 4744976 | 1988-05-17 | Snipes et al. | 424 | 408 |
| 27 | 4772471 | 1988-09-20 | Vanlerberghe et al. | 424 | 450 |
| 28 | 4797288 | 1989-01-10 | Sharma et al. | 424 | 476 |
| 29 | 4801575 | 1989-01-31 | Pardridge | 514 | 4 |
| 30 | 4839341 | 1989-06-13 | Massey et al. | 514 | 4 |
| 31 | 4840799 | 1989-06-20 | Appelgren et al. | 424 | 493 |
| 32 | 4849405 | 1989-07-18 | Ecanow | 514 | 3 |
| 33 | 4917888 | 1990-04-17 | Katre et al. | 424 | 85.91 |
| 34 | 4935246 | 1990-06-19 | Ahrens | 424 | 490 |
| 35 | 4946828 | 1990-08-07 | Markussen | 514 | 3 |
| 36 | 4957910 | 1990-09-18 | Sutton et al. | 514 | 182 |
| 37 | 4963367 | 1990-10-16 | Ecanow | 424 | 485 |
| 38 | 4963526 | 1990-10-16 | Ecanow | 514 | 3 |
| 39 | 4994439 | 1991-02-19 | Longenecker et al. | 514 | 3 |
| 40 | 5013556 | 1991-05-07 | Woodle et al. | 424 | 450 |
| 41 | 5055300 | 1991-10-08 | Gupta | 424 | 409 |
| 42 | 5055304 | 1991-10-08 | Makino et al. | 424 | 465 |
| 43 | 5089261 | 1992-02-18 | Nitecki et al. | 424 | 85.2 |
| 44 | 5093198 | 1992-03-03 | Speaker et al. | 428 | 402.21 |

09/873,757

| | | | | | |
|----|---------|------------|-------------------|-----|------|
| 45 | 5099074 | 1992-03-24 | Mueller et al. | 568 | 617 |
| 46 | 5122614 | 1992-06-16 | Zalipsky | 548 | 520 |
| 47 | 5157021 | 1992-10-20 | Balschmidt et al. | 514 | 3 |
| 48 | 5162430 | 1992-11-10 | Rhee et al. | 525 | 54.1 |
| 49 | 5164366 | 1992-11-17 | Balschmidt et al. | 514 | 3 |
| 50 | 5202415 | 1993-04-13 | Jonassen et al. | 530 | 303 |

Remarks

Note: Remarks are not for responding to an office action.

This electronic Information Disclosure Statement (IDS) is submitted in connection with a paper IDS filed January 13, 2004, along with a Request for Continued Examination (RCE) in application number 09/873,757. A fee of \$770.00 has been paid for submission of the RCE and thus no fee is due for the electronic filing of this IDS.

Signature

| Examiner Name | Date |
|-------------------|----------------|
| Jeffrey E. Russel | March 23, 2004 |

| | | | | | |
|---|---|--------------------------|----------------------|------------------------|---------|
| Substitute form 1449A/PTO | | Complete if Known | | | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | Application Number | 09/873,757 | | |
| | | Filing Date | 06/04/2001 | | |
| | | First Named Inventor | Nnochiri N. Ekwuribe | | |
| | | Group Art Unit | 1654 | | |
| | | Examiner Name | J. Russel | | |
| Sheet | 1 | of | 5 | Attorney Docket Number | 9233-62 |

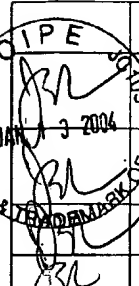
| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|----------|-------------------------|------------|----------------------|---|--|---|
| Examiner Initials* | Cite No. | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | T |
| | | Office | Number | Kind Code (if known) | | | |
| JR | 1 | EP | 0 822 218 | A2 | Glenn A. Miller et al. | 02/04/1998 | |
| JR | 2 | JP | 01207320 | | Daicel Chem Ind Ltd | 08/21/1989 | |
| JR | 3 | EP | 0 483 465 | B1 | Salama et al. | 08/02/1995 | |
| JR | 4 | EP | 0 511 903 | A2 | Medgenix Group, S.A. | 11/04/1992 | |
| JR | 5 | DE | 196 32 440 | A1 | BASF AG | 02/19/1998 | |
| JR | 6 | EP | 0 031 567 | A2 | Takeda Yakuhin Kogyo Kabushiki Kaisha | 07/08/1981 | |
| JR | 7 | EP | 0 597 007 | B1 | Smithkline Beecham Corporation | 10/16/1996 | |
| JR | 8 | EP | 0 621 777 | B1 | Alfatec-Pharma GmbH | 09/11/1996 | |
| JR | 9 | EP | 0 797 615 | B1 | The University of Nottingham | 01/13/1999 | |
| JR | 10 | GB | 1 492 997 | | Derek George Smyth | 11/13/1977 | |
| JR | 11 | JP | 1 254 699 | | Kodama Co., Ltd. | 10/11/1989 | |
| JR | 12 | WO | 01/12230 | | Park et al. | 02/22/2001 | |
| JR | 13 | WO | 93/01802 | | Debio Recherche Pharmaceutique, S.A. | 02/04/1993 | |
| JR | 14 | WO | 95/09831 | | Piero Del Soldato et al. | 04/13/1995 | |
| JR | 15 | WO | 95/30641 | | Nicox Limited | 11/16/1995 | |
| JR | 16 | WO | 98/07745 | | Micrologix Biotech, Inc. | 02/26/1998 | |
| JR | 17 | WO | 99/65941 | A1 | King College London et al. | 12/23/1999 | |
| JR | 18 | WO | 99/32134 | | Enzon Inc. | 07/01/1999 | |

| OTHER NON PATENT LITERATURE DOCUMENTS | | | | | T |
|---------------------------------------|----------|--|--|--|---|
| Examiner Initials* | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | | | |
| JR | 19 | Abuchowski, A. and F. F. Davis "Soluble Polymer-Enzyme Adducts" pp. 367-383, <i>Enzymes as Drugs</i> , Ed. J. S. Holcenberg, John Wiley (1981) | | | |
| JR | 20 | Agarwal et al. "Polymethacrylate-based Microparticulates of Insulin for Oral Delivery: Preparation and In Vitro Dissolution Stability in the Presence of Enzyme Inhibitors" <i>International Journal of Pharmaceutics</i> 225:31-39 (2001) | | | |
| JR | 21 | Akiyama et al. "The Synthesis of New Derivatives of 1-β-D-Arabinofuranosylcytosine" <i>Chem. Pharm. Bull.</i> 26(3):981-984 (1978) | | | |
| JR | 22 | Allaudeen et al. "Orally Active Insulin: A Single Insulin Conjugate Selected for Future Studies" 60th Annual Meeting of the American Diabetes Assoc., Atlanta, GA, June 2000 (Abstract) | | | |
| JR | 23 | Anderson et al. "HIM2, a Novel Modified Insulin, has Improved Systemic Pharmacokinetics in Normal Dogs, Compared to Unmodified Insulin" American Diabetes Association 62nd Annual Meeting, June 2002 (Abstract) | | | |
| JR | 24 | Ansell et al. "Application of Oligo-(14-amino-3,6,9,12-tetraoxatetradecanoic acid) Lipid Conjugates as Steric Barrier Molecules in Liposomal Formulations" <i>Bioconjugate Chem.</i> 10:653-666 (1999) | | | |
| JR | 25 | Aoshima et al. "N ⁴ -Behenoyl-1-β-D-Arabinofuranosylcytosine as a Potential New Antitumor Agent" <i>Cancer Research</i> 37:2481-2486 (1977) | | | |
| JR | 26 | Baker, D. C. et al. "Prodrugs of 9-β-D-Arabinofuranosyladenine. 1. Synthesis and Evaluation of Some 5'-(O-Acyl) Derivatives" <i>J. Med. Chem.</i> 21(12):1218-1221 (1978) | | | |
| JR | 27 | Banting et al. "Pancreatic Extracts in the Treatment of Diabetes Mellitus: Preliminary Report" <i>Can. Med. Assoc. J.</i> 145(10):1281-1286 (1991) | | | |
| JR | 28 | Baudys et al. "Stabilization and Intestinal Absorption of Human Calcitonin" <i>J. Contr. Rel.</i> 39:145-51 (1996) | | | |
| JR | 29 | Baudys et al. "Synthesis and Characterization of Different Glycosylated Derivatives of Insulin" <i>Proceed. Intern. Symp. Cont. Rel. Bioactive. Mater.</i> 19:210-211 (1992) | | | |
| JR | 30 | Block, Lawrence H. "Pharmaceutical Emulsions and Microemulsions" <i>Pharmaceutical Dosage Forms: Disperse Systems</i> Vol. 2, Ed. Lieberman et al., pp. 47-109 (1996) | | | |

| | | | |
|--------------------|-------------------|-----------------|----------------|
| Examiner Signature | Jeffrey B. Russel | Date Considered | March 23, 2004 |
|--------------------|-------------------|-----------------|----------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| | | | |
|--|---|---------------------------|----------------------|
| Substitute form 1449/APTO | | Completeness Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | Application Number | 09/873,757 |
| | | Filing Date | 06/04/2001 |
| | | First Named Inventor | Nnochiri N. Ekwuribe |
| | | Group Art Unit | 1654 |
| | | Examiner Name | J. Russel |
| (use as many sheets as necessary) | | Attorney Docket Number | 9233-62 |
| Sheet | 2 | of | 5 |

| | | | |
|--|---|--|--|
|  | 31 | Boccu et al. "Pharmacokinetic Properties of Polyethylene Glycol Derivatized Superoxide Dismutase" <i>Pharm. Res. Comm.</i> 14:113-120 (1982) | |
| | 32 | Bone et al. "Successful Treatment of an Insulin Dependent Rat Model of Human Type I Diabetes with Orally Active Insulin" Program and Abstracts, 4th International Workshop on Lessons from Animal Diabetes, Omiya, Japan, November 1994 (Abstract) | |
| | 33 | Bone et al. "Successful Treatment of Type 1 Diabetes with Orally-Active Insulin: Studies in The Insulin Dependent BB/S Rat" Program and Abstracts, 55th Annual Meeting of the American Diabetes Association, Atlanta Georgia, June 1995 (Abstract) | |
| | 34 | Brange and Volund "Insulin Analogs with Improved Pharmacokinetic Profiles" <i>Advanced Drug Delivery Reviews</i> 35:307-335 (1999) | |
| | 35 | Brange et al. "Chemical Stability of Insulin. 1. Hydrolytic Degradation During Storage of Pharmaceutical Preparations" <i>Pharm. Res.</i> 9(6):715-726 (1992) | |
| | 36 | Brange et al. "Chemical Stability of Insulin. 2. Formation of Higher Molecular Weight Transformation Products During Storage of Pharmaceutical Preparations" <i>Pharm. Res.</i> 9(6):727-734 (1992) | |
| | 37 | Brange, J. "Galenics of Insulin: The Physico-Chemical and Pharmaceutical Aspects of Insulin and Insulin Preparations" Novo Research Institute, Denmark, pp. 18-100 (1987) | |
| | 38 | Chien, Y. W., <i>Novel Drug Delivery Systems</i> , pp. 678-679, Marcel Dekker, Inc., New York, N.Y. (1992) | |
| | 39 | Cleland et al. "Emerging Protein Delivery Methods" <i>Current Opinion in Biotechnology</i> 12:212-219 (2001) | |
| | 40 | Clement et al. "Effects of Multiple Doses of Orally Administered Hexyl Insulin M2 (HIM2) on Postprandial Blood Glucose (PPG) Concentrations in Type 1 Diabetic (T1) Patients" American Diabetes Association 62nd Annual Meeting, June 2002 (Poster) | |
| | 41 | Clement et al. "Oral Insulin Product Hexyl-Insulin Monoconjugate 2 (HIM2) in Type 1 Diabetes Mellitus: The Glucose Stabilization Effects of HIM2" <i>Diabetes Technology & Therapeutics</i> 4(4):459-466 (2002) | |
| | 42 | Clement, Stephen "A Dose-Escalation Study of the Effects of Two Sequential Doses of Oral Modified Insulin on Blood Glucose Concentrations in Patients with Type 1 Diabetes Mellitus" American Diabetes Association Annual Meeting (June 25, 2001) (Abstract) | |
| | 43 | Clement, Stephen "A Dose-Escalation Study of the Effects of Two Sequential Doses of Oral Modified Insulin on Blood Glucose Concentrations in Patients with Type 1 Diabetes Mellitus" American Diabetes Association Annual Meeting (June 25, 2001) (Poster) | |
| | 44 | Conradi et al. "The Influence of Peptide Structure on Transport Across Caco-2 Cells" <i>Pharm. Res.</i> 8(12):1453-1459 (1991) | |
| | 45 | Coombes et al. "Biodegradable Polymeric Microparticles for Drug Delivery and Vaccine Formulation: the Surface Attachment of Hydrophilic Species Using the Concept of Poly(Ethylene Glycol) Anchoring Segments" <i>Biomaterials</i> 18:1153-1161 (1997) | |
| | 46 | Damge et al. "Poly(alkyl cyanoacrylate) Nanospheres for Oral Administration of Insulin" <i>Journal of Pharmaceutical Sciences</i> 86(12):1403-1409 (Dec. 1997) | |
| 47 | Dandona et al. "Effect of an Oral Modified Insulin on Blood Glucose Levels in Fasting and Fed Type 1 Diabetic Patients Receiving a 'Basal' Regimen of Injected Insulin" American Diabetes Association Annual Meeting (June 25, 2001) (Abstract) | | |
| 48 | Delgado et al. "The Uses and Properties of PEG-Linked Proteins" <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> 9(3,4):249-304 (1992) | | |
| 49 | Ekwuribe, Nnochiri "Conjugation-Stabilized Polypeptide Compositions, Therapeutic Delivery and Diagnostic Formulations Comprising Same, and Method of Making and Using the Same" <i>Biotechnology Advances</i> 14(4):575-576 (1996) (Abstract) | | |
| 50 | Engel et al. "Insulin: Intestinal Absorption as Water-in-Oil-in-Water Emulsions" <i>Nature</i> 219:856-857 (1968) | | |
| 51 | Fasano, A. "Innovative strategies for the oral delivery of drugs and peptides" <i>TIBTECH</i> 16:152-157 (1998) | | |
| 52 | Forst et al. "New Aspects on Biological Activity of C-peptide in IDDM Patients" <i>Exp. Clin. Endocrinol. Diabetes</i> 106:270-276 (1998) | | |
| 53 | Francis et al. "Polyethylene Glycol Modification: Relevance of Improved Methodology to Tumour Targeting" <i>Journal of Drug Targeting</i> 3:321-340 (1996) | | |
| 54 | Gish et al. "Nucleic Acids. 11. Synthesis of 5'-Esters of 1-β-D-Arabinofuranosylcytosine Possessing Antileukemic and Immunosuppressive Activity" <i>J. Med. Chem.</i> 14(12):1159-1162 (1971) | | |
| 55 | Gombotz & Pettit "Biodegradable Polymers for Protein and Peptide Drug Delivery" <i>Bioconjugate Chem.</i> 6:332-351 (1995) | | |
| 56 | Guzman et al. "Effects of Fatty Ethers and Stearic Acid on the Gastrointestinal Absorption of Insulin" <i>PRHSJ</i> 9(2):155-159 (1990) | | |

| | | | |
|--------------------|-------------------|-----------------|----------------|
| Examiner Signature | Jeffrey E. Russel | Date Considered | March 23, 2004 |
|--------------------|-------------------|-----------------|----------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| | | | | | |
|---|---|----|--------------------------|------------------------|---------|
| Substitute form 1449A/PTO | | | Complete if Known | | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | Application Number | 09/873,757 | |
| | | | Filing Date | 06/04/2001 | |
| | | | First Named Inventor | Nnochiri N. Ekwuribe | |
| | | | Group Art Unit | 1654 | |
| | | | Examiner Name | J. Russel | |
| Sheet | 3 | of | 5 | Attorney Docket Number | 9233-62 |

| | |
|----|--|
| 57 | Hashimoto et al. "Synthesis of Palmitoyl Derivatives of Insulin and Their Biological Activities" <i>Pharmaceutical Research</i> 6(2):171-176 (1989) |
| 58 | Hinds et al. "Synthesis and Characterization of Poly(ethylene glycol)-Insulin Conjugates" <i>Bioconjugate Chem.</i> 11:195-201 (2000) |
| 59 | Hong et al. "Nucleoside Conjugates. 7. Synthesis and Antitumor Activity of 1-β-D-Arabinofuranosylcytosine Conjugates of Ether Lipids" <i>J. Med. Chem.</i> 29:2038-2044 (1986) |
| 60 | Hostetter et al. "Synthesis and Antiretroviral Activity of Phospholipid Analogs of Azidothymidine and Other Antiviral Nucleosides" <i>The Journal of Biological Chemistry</i> 265(11):6112-6117 (1990) |
| 61 | Igarashi et al. "Biologically Active Peptides Conjugated with Lecithin for DDS" <i>Proceed. Intern. Symp. Cont. Rel. Bioactiv. Mater.</i> 17:367-368 (1990) |
| 62 | Kemmler et al. "On the Nature and Subcellular Localization of the Proinsulin Converting Enzymes" <i>Federation Proceedings</i> 30(Abtract 924):1210Abs (1971) |
| 63 | Kemmler et al. "Studies on the Conversion of Proinsulin to Insulin: I. Conversion in Vitro with Trypsin and Carboxypeptidase B" <i>The Journal of Biological Chemistry</i> 246(22):6786-6791 (1971) |
| 64 | King et al. "Preparation of Protein Conjugates with Alkoxy polyethylene Glycols" <i>Int. J. Peptide Protein Res.</i> 16:147-155 (1980) |
| 65 | Kipnes et al. "Control of Postprandial Plasma Glucose by an Oral Insulin Product (HIM2) in Patients with Type 2 Diabetes" <i>Emerging Treatments and Technologies</i> 26:2 (2003) |
| 66 | Kipnes et al. "The Effects of an Oral Modified Insulin on Postprandial Blood Glucose Levels in Patients with Type 2 Diabetes" American Diabetes Association Annual Meeting (June 24, 2001) (Abstract) |
| 67 | Kipnes et al. "The Effects of an Oral Modified Insulin on Postprandial Blood Glucose Levels in Patients with Type 2 Diabetes Mellitus" American Diabetes Association Annual Meeting (June 2001) (Poster) |
| 68 | Krishnan, B. Radha, et al., "Stability and Physical Characteristics of Orally Active Amphiphilic Human Insulin Analog, Methoxy (Polyethylene Glycol) Hexanoyl Human Recombinant Insulin (HIM2)", <i>Proceed. Int'l. Symp. Control. Rel. Bioact. Mater.</i> , 27:1038-1039 (2000) |
| 69 | Kube, D.M. "Multitalented Proteins Play a Key Role in Therapeutics" <i>Genomics and Proteomics</i> (Sept. 2002) |
| 70 | Lindsay et al. <i>The Acetylation of Insulin Biochem J.</i> 121:737-745 (1971) |
| 71 | Maislos et al. "The Source of the Circulating Aggregate of Insulin in Type I Diabetic Patients is Therapeutic Insulin" <i>J. Clin. Invest.</i> 77:717-723 (1986) |
| 72 | M. Savva & L. Huang, "Effect of PEG Homopolymer and Grafted Amphiphilic PEG-Palmityl on the Thermotropic Phase Behavior of 1,2-Dipalmitoyl-SN-Glycero-3-Phosphocholine Bilayer," <i>Journal of Liposome Research</i> , 9(3):357-365 (1999). |
| 73 | Marschutz et al. "Oral Peptide Drug Delivery: Polymer-Inhibitor Conjugates Protecting Insulin from Enzymatic Degradation in Vitro" <i>Biomaterials</i> 21:1499-1507 (2000) |
| 74 | Mesiha et al. "Hypoglycaemic effect of oral insulin preparations containing Brij 35, 52, 58 or 92 and stearic acid" <i>J. Pharm. Pharmacol.</i> 33:733-734 (1981) |
| 75 | Moghaddam, Amir "Use of polyethylene glycol polymers for bioconjugations and drug development" <i>American Biotechnology Laboratory</i> pp. 42, 44 (July 2001) |
| 76 | Musabayane et al. "Orally Administered, Insulin-Loaded Amidated Pectin Hydrogel Beads Sustain Plasma Concentrations of Insulin in Streptozotocin-Diabetic Rats" <i>Journal of Endocrinology</i> 164:1-6 (2000) |
| 77 | Neubauer et al. "Influence of Polyethylene Glycol Insulin on Lipid Tissues of Experimental Animals" <i>Diabetes</i> 32:953-958 (October 1983) |
| 78 | Nucci et al. "The Therapeutic Value of Poly(ethylene Glycol)--Modified Proteins" <i>Ad. Drug. Del. Rev.</i> 6:133-151 (1991) |
| 79 | Oka et al. "Enhanced Intestinal Absorption of a Hydrophobic Polymer-Conjugated Protein Drug, Smancs, in an Oily Formulation" <i>Pharm. Res.</i> 7(8):852-855 (1990) |
| 80 | Pang, David C. "Bridging Gaps in Drug Discovery and Development" <i>Pharmaceutical Technology</i> 22:82-94 (Nov. 1998) |
| 81 | Patel et al. "Oral Administration of Insulin By Encapsulation Within Liposomes" <i>FEBS Lett.</i> 62(1):60-63 (1976) |
| 82 | Price, JC <i>Polyethylene Glycol</i> , pp. 355-361 (Not dated) |
| 83 | Puskas et al. "Investigation of Chymotrypsin Digestion Profile of Orally Active Insulin Conjugate HIM2" <i>AAPS Pharm Sci.</i> 3(3) 2001 (Abstract) |
| 84 | Radhakrishnan et al. "Chemical Modification of Insulin with Amphiphilic Polymers Improves Intestinal Delivery," <i>Proceed. Int'l. Symp. Control. Rel. Bioact. Mater.</i> 25:124-125 (1998) (Abstract) |

| | | | |
|--------------------|-------------------|-----------------|----------------|
| Examiner Signature | Jeffrey E. Russel | Date Considered | March 23, 2004 |
|--------------------|-------------------|-----------------|----------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| | | | |
|---|------------------------|--------------------------|----------------------|
| Substitute form 1449A/PTO | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | Application Number | 09/873,757 |
| | | Filing Date | 06/04/2001 |
| | | First Named Inventor | Nnochiri N. Ekwuribe |
| | | Group Art Unit | 1654 |
| | | Examiner Name | J. Russel |
| Sheet 4 of 5 | Attorney Docket Number | 9233-62 | |

| | |
|-----|---|
| 85 | Radhakrishnan et al. "Oral Delivery of Insulin: Single Selective Modification at B29-LYS With Amphiphilic Oligomer" Program and Abstracts, 1999 National Meeting of the Amer. Assoc. Pharm. Scient., New Orleans, LA (1999) (Abstract) |
| 86 | Radhakrishnan et al. "Structure-Activity Relationship of Insulin Modified with Amphiphilic Polymers" Program and Abstracts, 1998 National Meeting of the Amer. Assoc. Pharm. Scient., San Francisco, CA Pharm. Sci. 1(1):S-59 (1998) (Abstract) |
| 87 | Ratner, R. E. et al. "Persistent Cutaneous Insulin Allergy Resulting from High-Molecular Weight Insulin Aggregates" <i>Diabetes</i> 39:728-733 (1990) |
| 88 | Richards et al. "Self-Association Properties of Monomeric Insulin Analogs Under Formulation Conditions" <i>Pharmaceutical Research</i> 15(9):1434-1441 (1998) |
| 89 | Robbins et al. "Antibodies to Covalent Aggregates of Insulin in Blood of Insulin-Using Diabetic Patients" <i>Diabetes</i> 36:838-841 (1987) |
| 90 | Russell-Jones, G. J. "Vitamin B12 Drug Delivery" <i>Proceed. Intern. Symp. Control. Rel. Bioactive. Mater.</i> 19:102-103 (1992) |
| 91 | Saffran et al. "A Model for the Study of the Oral Administration of Peptide Hormones" <i>Can J Biochem</i> 57:548-553 (1979) |
| 92 | Saffran, M. et al. "A New Approach to the Oral Administration of Insulin and Other Peptide Drugs" <i>Science</i> 233:1081-1084 (1986) |
| 93 | Santiago et al. "Oral Immunization of Rats with Influenza Virus M Protein (M1) Microspheres" <i>Proceed. Intern. Symp. Cont. Rel. Bioactive. Mater.</i> 19:116-117 (1992) |
| 94 | Shah and Shen "Transcellular Delivery of an Insulin-Transferrin Conjugate in Enterocyte-like Caco-2 Cells" <i>Journal of Pharmaceutical Sciences</i> 85(12):1306-1311 (1996) |
| 95 | Shen et al. "(C) Means to Enhance Penetration; (3) Enhancement of polypeptide and protein absorption by macromolecular carriers via endocytosis and transcytosis" <i>Advanced Drug Del. Reviews</i> 8:93-113 (1992) |
| 96 | Shichiri et al. "Enteral Absorption of Water-in-Oil-in-Water Insulin Emulsions in Rabbits" <i>Diabetologia</i> 10:317-321 (1974) |
| 97 | Sirokman et al. "Refolding and proton pumping activity of a polyethylene glycol-bacteriorhodopsin water-soluble conjugate" <i>Protein Science</i> 12:1161-1170 (1993) |
| 98 | Still and McAllister "Effects of Orally Active Modified Insulin in Type 1 Diabetic Patients" <i>Clinical Pharmacol. Therap.</i> 69(2):P95 (Feb. 2001) (Abstract) |
| 99 | Still and McAllister "Effects of Orally Active Modified Insulin in Type I Diabetic Patients" Slide Presentation Annual Meeting of the American Society for Clinical Pharmacology & Therapeutics, Orlando, FL, March 9, 2001 |
| 100 | Still and McAllister "Effects of Orally Active Modified Insulin in Type I Diabetic Patients" Annual Meeting of the American Society for Clinical Pharmacology & Therapeutics, Orlando, FL, March 9, 2001 (Handout) |
| 101 | Still et al. "Magnitude and Variability of Pharmacokinetic and Glucodynamic Responses to Modified Human Insulin Administered Orally to Healthy Volunteers" <i>Diabetes Research and Clinical Practice</i> 56:S77 (2002) |
| 102 | Still, J. Gordon "Development of Oral Insulin: Progress and Current Status" <i>Diabetes/Metabolism Research and Reviews</i> 18(1):S29-S37 (2002) |
| 103 | Still, J. Gordon "Oral Insulin Development" Slide Presentation, VI International St. Barts Symposium Diabetes 2000: Therapy and Technology, London, England, May 12, 2000 |
| 104 | Szleifer et al. "Spontaneous Liposome Formation Induced by Grafted Poly(Ethylene Oxide) Layers: Theoretical Prediction and Experimental Verification" <i>Proceedings of the National Academy of Sciences of the United States of America</i> 95(3):1032-1037 (1998) |
| 105 | Taniguchi et al. "Synthesis of Acyloyl Lysozyme and Improvement of its Lymphatic Transport Following Small Intestinal Administration in Rats" <i>Proceed. Intern. Symp. Control. Rel. Bioactiv. Mater.</i> 19:104-105 (1992) |
| 106 | Torchilin, Vladimir P. "Immunoliposomes and PEGylated Immunoliposomes: Possible Use for Targeted Delivery of Imaging Agents" <i>Immunomethods</i> 4:244-258 (1994) |
| 107 | Uchio et al. "Site-Specific Insulin Conjugates with Enhanced Stability and Extended Action Profile" <i>Advanced Drug Delivery Reviews</i> 35:289-306 (1999) |
| 108 | Vreeland et al. "Molar Mass Profiling of Synthetic Polymers by Free-Solution Capillary Electrophoresis of DNA-Polymer Conjugates" <i>Analytical Chemistry</i> 73(8):1795-1803 (2001) |

| | | | |
|--------------------|-------------------|-----------------|----------------|
| Examiner Signature | Jeffrey E. Russel | Date Considered | March 23, 2004 |
|--------------------|-------------------|-----------------|----------------|











*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



09/873,757

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

| Title of Invention | Mixtures of Growth Hormone Drug-Oligomer Conjugates Comprising Polyalkylene Glycol, Uses Thereof, and Methods of Making Same | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|-------------|------------|--------------------|------|----------|----------|-------|----------|---|---|---------|------------|---------------|--|-----|-----|------|----------|----------|------|-----------|------|-------|----------|---|---|-------------|------------|--------------------|--|-----|---|---|---|-------------|------------|-----------------|--|-----|---|
| <p>Application Number: 09/873757 </p> <p>Confirmation Number: 2357</p> <p>First Named Applicant: Nnochiri Ekwuribe</p> <p>Attorney Docket Number: 9233-62</p> <p>Art Unit: 1654</p> <p>Examiner: Jeffrey E. Russel</p> <p>Search string: (5889153 or 20020160938 or 20030027748),pn.</p> <p>US Patent Documents</p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td></td><td>1</td><td>5889153</td><td>1999-03-30</td><td>Suzuki et al.</td><td></td><td>530</td><td>350</td></tr></tbody></table> <p>US Published Applications</p> <p>Note: Applicant is not required to submit a paper copy of cited US Published Applications</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Pub. No.</th><th>Date</th><th>Applicant</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td></td><td>1</td><td>20020160938</td><td>2002-10-31</td><td>Brandenburg et al.</td><td></td><td>514</td><td>3</td></tr><tr><td></td><td>2</td><td>20030027748</td><td>2003-02-06</td><td>Ekwuribe et al.</td><td></td><td>514</td><td>3</td></tr></tbody></table> <p>Remarks</p> <p>Note: Remarks are not for responding to an office action.</p> <p>This electronic Information Disclosure Statement (IDS) is submitted in connection with a paper IDS filed January 13, 2004, along with a Request for Continued Examination (RCE) in application number 09/873,757. A fee of \$770.00 has been paid for submission of the RCE and thus no fee is due for the electronic filing of this IDS.</p> | | init | Cite.No. | Patent No. | Date | Patentee | Kind | Class | Subclass |  | 1 | 5889153 | 1999-03-30 | Suzuki et al. | | 530 | 350 | init | Cite.No. | Pub. No. | Date | Applicant | Kind | Class | Subclass |  | 1 | 20020160938 | 2002-10-31 | Brandenburg et al. | | 514 | 3 |  | 2 | 20030027748 | 2003-02-06 | Ekwuribe et al. | | 514 | 3 |
| init | Cite.No. | Patent No. | Date | Patentee | Kind | Class | Subclass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | 1 | 5889153 | 1999-03-30 | Suzuki et al. | | 530 | 350 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| init | Cite.No. | Pub. No. | Date | Applicant | Kind | Class | Subclass | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | 1 | 20020160938 | 2002-10-31 | Brandenburg et al. | | 514 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | 2 | 20030027748 | 2003-02-06 | Ekwuribe et al. | | 514 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |